

CLASS TITLE: SUPERVISING ELECTRICAL INSPECTOR (DOT)

Class Code: 02334400

Pay Grade: 28 A

EO Code: B

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To supervise the inspection and/or maintenance of electrical and telecommunications installations in conjunction with a statewide highway construction, maintenance or traffic operations program; to insure that work in progress is completed and has been performed according to design plans and specifications; to oversee the inspection and/or maintenance of electrical installations in order to insure that the requirements of all National Codes and industry standards are being followed; and to do related work as required.

SUPERVISION RECEIVED: Works under the general supervision of a superior with latitude for the use of independent judgment; work is subject to review for proficiency and conformance to established rules, regulations and standards.

SUPERVISION EXERCISED: Plans, assigns, supervises and reviews the work of a staff of technical licensed electrical subordinates.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To supervise the inspection and/or maintenance of electrical and telecommunications installations in conjunction with a statewide highway construction, maintenance or traffic operations program; to insure that work in progress is completed and has been performed according to plans and specifications.

To oversee the inspection and/or maintenance of electrical and telecommunications installations in order to insure that the requirements of all National Codes and industry standards are being followed.

To oversee the inspection of transformer vaults to determine wire sizes, types of insulation, voltage capacity, breaking capacity of circuit breakers, and the interrupting capacity of these breakers.

To oversee the inspection of telecommunications devices, lighting traffic signals and their controllers to determine that the equipment is according to specifications and properly installed, wired within the proper types and sizes of conductors, and that the controllers are gas sealed.

To review collected data from test runs on equipment.

To notify a superior, the area resident engineer in charge, or project manager when situations arise involving failure to follow plans and/or specifications.

To prepare reports for superiors on work in progress and final acceptance of installations on a project constructed by a contractor, and other maintenance reports.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS AND CAPACITIES: A thorough knowledge of the National Electrical Code and the National Electrical Safety Code; a thorough knowledge of the International Municipal Signal Association (IMSA) standards for roadway lighting, work zone safety, and traffic signals; a thorough knowledge of the principles, techniques, equipment and materials used in telecommunications systems and the profession; a working knowledge of electronics and data management information systems operations; the ability to read and interpret complex electrical wiring plans and specifications; the ability to prepare written reports concerning defects in electrical and telecommunications installations; the ability to plan, supervise and review the work of technical licensed electrical subordinates; the ability to establish and maintain effective working relationships with subordinates, superiors and industry contractors; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: graduation from a college or technical school of recognized standing, including the successful completion of courses emphasizing specialization in electrical, telecommunications or traffic engineering systems; and

Experience: Such as may have been gained through: considerable employment in a responsible lead supervising capacity in a highway construction and maintenance program overseeing licensed personnel inspecting, installing or maintaining electrical traffic systems and telecommunications.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

Special Requirements: At the time of appointment, must possess a RI Master Electrician Class A License, and a RI Telecommunications Systems Contractors License issued by the RI State Board of Examiners, and must maintain such licenses as a condition of continued employment.

Class Revised: December 29, 2002

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